NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

GEORGE C. MARSHALL SPACE FLIGHT CENTER

SATURN V
PROGRAM DIRECTIVE

SATURN V PROGRAM DIRECTIVE NUMBER: 8	DATE: June 22, 1965
	Revision Date:
SUBJECT: SATURN V DESIGN REVIEWS AND INSPECTIONS	

I. PURPOSE

This program directive establishes policy for Design Reviews and Inspections in the Saturn V Program. Compliance of all MSFC elements engaged in management and support of the Saturn V Program is required.

II. SCOPE

Design Reviews and Inspections shall be conducted on all Stage, IU, and GSE systems, major subsystems and Contract End Items and Engineering Critical Components thereof; including interface considerations, applicable documents and test procedures at the earliest practicable date. The definition of Engineering Critical Components, Paragraph 6.1.1, Exhibit VI, NPC 500-1, shall apply. Examples for review would include but not be limited to:

Power Supply	Thermal Control System
Platform	Propellant Management System
Telemetry System	Flight Control System
Computer	Separation System
	Propellant Feed System

III. APPLICABILITY

Requirements for design reviews and inspections will apply to the following:

Saturn V Launch Vehicle

S-IC Stage and Associated GSE

S-II Stage and Associated GSE

S-IVB Stage and Associated GSE

Instrument Unit and Associated GSE

Launch Vehicle GSE

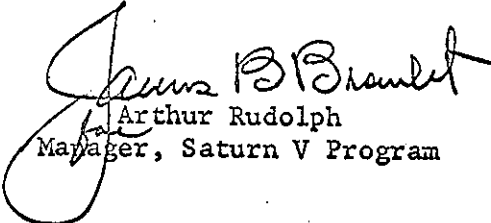IV.   RELATIONSHIP TO OTHER MANAGEMENT REVIEWS

Design Reviews and Inspections shall in no manner duplicate or replace the specific objectives of other periodic management reviews within the Saturn V Program, but the results therefrom shall be utilized to provide support thereto in addition to the primary requirement for fulfilling objectives of Configuration Management as established in NPC 500-1.

V.   RESPONSIBILITY AND AUTHORITY

A.   The Program Manager, Saturn V, retains responsibility for Design Reviews and Inspections on Saturn V Launch Vehicle and will delegate his authority as necessary for their conduct.

B.   The Project Manager for each Stage, IU, and GSE shall be responsible for and have the authority to conduct Design Reviews and Inspections on all items noted in Paragraph II, above, within his cognizance.

    1.   A detailed list of CEI's and Critical Component System/Sub-systems with a schedule for review will be established. Updating of listing and schedule shall be accomplished as necessary.

    2.   The basic principles for reviews and inspections in conformance with Exhibit XIV, NPC 500-1 shall be adhered to. Since the Saturn V Program is ongoing, judicious modification to detailed timing and procedures adapted to the particular design or development status, and the resources available is necessary.

C.   Saturn V Systems Engineering Office (I-V-E) and Configuration Management Branch (I-V-P) will, in coordination with R&DO, establish criteria for Design Review Packages to be furnished by the contractor and for detailed procedures used in conduct of reviews and inspections. I-V-E and I-V-P will participate in the reviews and inspections when conducted.

VI.   TECHNICAL SUPPORT

Needs for detailed technical support will be established
by the individual project manager for his project and I-V-E
for the Saturn V Launch Vehicle and will be requested from
R&DO as required.

Arthur Rudolph
Manager, Saturn V Program

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